L Numbe	r Hits	Coanch March		
1	T HICE		DB	Time stamp
	· ·	or Plastic)).as.) and (waveguide or		2004/10/29 11:22
		lightguide or (wave adj guide)) and	US-PGPUB	
		(\$10acrylate same ((Ti or titanium) near3		
}	Ì	(alkoxide or \$5methoxide or \$5ethoxide or		
		\$5propoxide or \$5isopropoxide or	1	
2		\$5butoxide or \$5isobutoxide)))		
2	4	(Chen.in. or Lee.in. or (Chang near2 (Chun	USPAT;	2004/10/29 11:22
		or Plastic)).as.) and ((\$10acrylate or \$10methacrylate) same ((Ti or titanium)	US-PGPUB	ļ
		near3 (alkoxide or \$5methoxide or	ĺ	
		\$5ethoxide or \$5propoxide or		i l
		\$5isopropoxide or \$5butoxide or		1
		\$5isobutoxide)))		
3	1478		USPAT;	2004/10/29 10:09
		or Plastic)).as.) and (waveguide or	US-PGPUB	1 -1 -1, -1, -1, -1, -1, -1, -1, -1, -1,
4	1	lightguide or (wave adj guide))		l
	1	((Chang near2 (Chun or Plastic)).as.) and (waveguide or lightguide or (wave adj	USPAT;	2004/10/29 10:09
		quide))	US-PGPUB	
5	1		EPO; JPO;	2004/10/20 10 10
		or Plastic)).as.) and (waveguide or	DERWENT;	2004/10/29 10:10
		lightguide or (wave adj guide)) and	IBM TDB	
		(\$10acrylate and ((Ti or titanium) near3		
		(alkoxide or \$5methoxide or \$5ethoxide or		
		\$5propoxide or \$5isopropoxide or \$5butoxide or \$5isobutoxide)))		
6	12	(Chen.in. or Lee.in. or (Chang near2 (Chun	Hann	
		or Plastic)).as. or changehun.as.) and	USPAT; US-PGPUB;	2004/10/29 11:23
		(waveguide or lightquide or (wave adi	EPO; JPO;	
1		guide)) and ((polymer\$2 or organic or	DERWENT;	i
		resin\$3) near2 (oxide or inorganic) near6	IBM TDB	
7	60	(composite or hybrid))	_	
		(Chen.in. or Lee.in. or (Chang near2 (Chun or Plastic)).as. or changchun.as.) and	USPAT;	2004/10/29 10:15
		((waveguide or lightguide or (wave adj	US-PGPUB;	
		guide)) near6 (composite or hybrid))	EPO; JPO; DERWENT;	
			IBM TDB	
8	56	1 (Chang hear)	USPAT;	2004/10/29 10:15
		(Chun or Plastic)).as. or changchun.as.)	US-PGPUB;	1 20,20
		and ((waveguide or lightguide or (wave adj	EPO; JPO;	1 .
		guide)) near6 (composite or hybrid))) not ((Chen.in. or Lee.in. or (Chang near2	DERWENT;	
		(Chun or Plastic)).as. or changchun.as.)	IBM_TDB	1
1		and (waveguide or lightguide or (wave adi		
1		guide)) and ((polymer\$2 or organic or		1
ļ		resin\$3) near2 (oxide or inorganic) near6		1
9	690	(composite or hybrid)))		
1	090	(427/552,555).CCLs.	USPAT;	2004/10/29 10:15
10	439	(427/163.2).CCLS.	US-PGPUB	
1]	,	USPAT; US-PGPUB	2004/10/29 10:15
11	453	(427/271).CCLS.	USPAT;	2004/10/29 10:15
12	000=		US-PGPUB	2004/10/29 10:15
12	2925	(427/372.2,379).CCLS.	USPAT;	2004/10/29 10:15
13	1179	(427/402).CCLS.	US-PGPUB]
	11/5	(427/402).CCLS.	USPAT;	2004/10/29 10:15
14	2240	(385/129,130,131).CCLS.	US-PGPUB	
	1		USPAT; US-PGPUB	2004/10/29 10:16
15	597	(385/132).CCLS.	USPAT;	2004/10/29 10:16
16	1117	/205 /140 140 140	US-PGPUB	2003/10/29 10:10
10	1116		USPAT;	2004/10/29 10:16
17	8823	///27/550 555) 225-	US-PGPUB	
	0023		USPAT;	2004/10/29 10:16
l		((427/402).CCLS.)	US-PGPUB	
J	ŀ	((385/129,130,131),CCLS.)		
		((385/132).CCLS.)		
		((385/142,143,144,145).CCLS.)		

10				
18	6	3 ((385/132).CCLS.) and ((385/142,143,144,145).CCLS.)	USPAT;	2004/10/29 10:16
19		0 (((385/129,130,131).CCLS.) or	US-PGPUB USPAT;	2004/10/29 10:18
	İ	((385/132).CCLS.) or	US-PGPUB	2004/10/23 10:18
		((385/142,143,144,145).CCLS.)) and		
İ		((\$10acrylate or \$10methacrylate) same ((Ti or titanium) near3 (\$5alkoxide or		
	[\$5methoxide or \$5ethoxide or \$5propoxide		
ļ		or \$5isopropoxide or \$5butoxide or		
20		\$5isobutoxide))) 4 ((((427/552-555) ccrs.)		
120		4 ((((427/552,555).CCLS.) ((427/163.2).CCLS.) ((427/271).CCLS.)	USPAT;	2004/10/29 10:20
1		((427/372.2,379).CCLS.) ((427/402).CCLS.)	US-PGPUB	
	· ·	((385/129,130,131).CCLS.)		
		((385/132).CCLS.)		
		((385/142,143,144,145).CCLS.))) and		
		((\$10acrylate or \$10methacrylate or \$5acrylic) same ((Ti or titanium) near3	!	
	1.	(\$5alkoxide or \$5methoxide or \$5ethoxide		
		or \$5propoxide or \$5isopropoxide or		
21	53	\$5butoxide or \$5isobutoxide)))		
		3 (((385/129,130,131).CCLS.) or ((385/132).CCLS.) or	USPAT;	2004/10/29 10:21
		((385/142,143,144,145).CCLS.)) and	US-PGPUB; EPO; JPO;	
		((polymer\$2 or organic or resin\$3) near3	DERWENT;	
		(oxide or inorganic) near6 (composite or	IBM_TDB	
		mix\$4 or hybrid or solgel or (sol adj qel)))	_	
22	3	3 (((((385/129,130,131).CCLS.) or	USPAT;	2004/10/00 10 00
1		((385/132).CCLS.) or	US-PGPUB	2004/10/29 10:22
		((385/142,143,144,145).CCLS.)) and		
		((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or		
	Ì	mix\$4 or hybrid or solgel or (sol adj		
		[gel))))) and (\$10acrylate and ((Ti or		
E.		titanium) near3 (alkoxide or methoxide or		
		ethoxide or propoxide or isopropoxide or		
23	50	butoxide or isobutoxide))) ((((385/129,130,131).CCLS.) or		
İ		((385/132).CCLs.) or	USPAT; US-PGPUB;	2004/10/29 10:25
		((385/142,143,144,145),CCLS.)) and	EPO; JPO;	
		((polymer\$2 or organic or resin\$3) near3	DERWENT;	
		(oxide or inorganic) near6 (composite or mix\$4 or hybrid or solgel or (sol adj	IBM_TDB	
		[gel)))) not ((((((385/129,130,131),CCLS))		
		or ((385/132).CCLS.) or		,
		((385/142,143,144,145).CCLS.)) and		
		((polymer\$2 or organic or resin\$3) near3 (oxide or inorganic) near6 (composite or		
		mix\$4 or hybrid or solgel or (sol adi		
	}	gel))))) and (\$10acrylate and ((Ti or		
		titanium) near3 (alkoxide or methoxide or		
		<pre>ethoxide or propoxide or isopropoxide or butoxide or isobutoxide))))</pre>		
24	55	((((427/552,555).CCLS.)	USPAT;	2004/10/20 10 00
		((427/163.2).CCLS.) ((427/271).CCLS.)	US-PGPUB;	2004/10/29 10:28
		((427/372.2,379).CCLS.) ((427/402).CCLS.)	EPO; JPO;	
		((385/129,130,131).CCLS.) ((385/132).CCLS.)	DERWENT;	
	1	((385/142,143,144,145).CCLS.))) and	IBM_TDB	
		((polymer\$2 or organic or resin\$3 or		
		\$10acrylic or \$10acrylate) near4 (oxide or		
		inorganic or TiO2 or "TiO.sub.2" or titania or titanium) near6 (composite or		
		mlx\$4 or hybrid or solgel or (sol adi		
		[gel))) and (waveguide or (wave adj guide)		
		or lightguide)		

25				
23	-	((((427/552,555).CCLS.)	USPAT;	2004/10/29 10:30
		((427/163.2).CCLS.) ((427/271).CCLS.)	US-PGPUB;	
1		((427/372.2,379).CCLS.) ((427/402).CCLS.)	EPO; JPO;	
		((385/129,130,131).CCLS.)	DERWENT;	
		((385/132).CCLS.)	IBM TDB	
		((385/142,143,144,145).CCLS.))) and	_	}
		((polymer\$2 or organic or resin\$3 or		
		\$10acrylic or \$10acrylate) near4 (oxide or		ĺ
		inorganic or TiO2 or "TiO.sub.2" or		İ
		titania or titanium) near6 (composite or		
		mix\$4 or hybrid or solgel or (sol adj		
1		gel))) and (waveguide or (wave adj guide) or lightguide) not		
		////305/120 120 121\ core		
		((((385/129,130,131).CCLS.) or ((385/132).CCLS.) or		·
		((305/132).CCLS.) OF		
}		((385/142,143,144,145).CCLS.)) and		
		((polymer\$2 or organic or resin\$3) near3		
	ĺ	(oxide or inorganic) near6 (composite or	ĺ	
		mix\$4 or hybrid or solgel or (sol adj (gel))))	}	
26	12			
		organic or resin\$3) near3 (oxide or	USPAT;	2004/10/29 10:33
		inorganic) near6 (composite or mix\$4 or	US-PGPUB;	
	•	hybrid or solgel or (sol adj gel)))	EPO; JPO;	
		(Sol adj gel)))	DERWENT;	1
27	1	(((385/132).CCLS.)) and ((\$10acrylate or	IBM_TDB	
1		\$10methacrylate) and ((Ti or titanium)	USPAT;	2004/10/29 10:35
		near3 (\$5alkoxide or \$5methoxide or	US-PGPUB	
1		\$5ethoxide or \$5propoxide or		
		\$5isopropoxide or \$5butoxide or		[
		\$5isobutoxide)))		1
28	3		Habre	
	İ	((427/163.2).CCLS.) ((427/271).CCLS.)	USPAT;	2004/10/29 10:37
		((427/372.2,379).CCLS.) ((427/402).CCLS.)	US-PGPUB	
		((385/129,130,131).CCLS.)		
}		((385/132).CCLs.)		
İ		((385/142,143,144,145).CCLS.))) and		1
i		((polymer\$2 or organic or resin\$3 or		1
		\$10acrylate or \$10methacrylate or		
		\$10acrylic) near3 (oxide or inorganic or		
		TiO2 or "TiO.sub.2" or titania or		
		titanium) near6 (composite or mix\$4 or		
		hybrid or solgel or (sol adi del))) and		
1		(waveguide or (wave adj guide) or		
		lightguide) and (\$10acrylate and ((Ti or		
		titanium) near3 (alkoxide or methoxide or		
		ethoxide or propoxide or isopropoxide or		
29		butoxide or isobutoxide)))		1
∠ <i>Э</i>	6	((((427/552,555).CCLS.)	USPAT;	2004/10/29 10:40
		((427/163.2).CCLS.) ((427/271).CCLS.)	US-PGPUB	10.40
		((427/372.2,379).CCLS.) ((427/402).CCLS.)		
		((385/129,130,131).CCLS.)		ļ
		((385/132).CCLS.)	j	
]	((385/142,143,144,145).CCLS.))) and	ĺ	į
	j i	((polymer\$2 or organic or resin\$3) near3		1
		(oxide or inorganic) near6 (composite or	ļ	
		mix\$4 or hybrid or solgel or (sol adj		
		gel))) and (\$10acrylate and ((Ti or		
		titanium) near3 (alkoxide or methoxide or		
		ethoxide or propoxide or isopropoxide or		
	<u> </u>	butoxide or isobutoxide)))		

Page 3

_	20				
1	30	3	(((((427/552,555).CCLS.)	USPAT;	2004/10/29 10:41
İ			((427/163.2).CCLS.) ((427/271).CCLS.)	US-PGPUB	2001/10/25 10:41
		1	((427/372.2,379).CCLS.) ((427/402).CCLS.)		
			((385/129,130,131).CCLS.)		
ĺ		ļ	((385/132).CCLS.)		
.			((385/142,143,144,145).CCLS.))) and		
1			((polymer\$2 or organic or resin\$3) near3	1	į
- 1			(oxide or inorganic) near6 (composite or		
ı			mix\$4 or hybrid or solgel or (sol adi		
ļ			gel))) and (\$10acrylate and ((Ti or	İ	
			titanium) near3 (alkoxide or methoxide or		
- }		İ	ethoxide or propoxide or isopropoxide or		
		1	butoxide or isobutoxide)))) not		
Ì			(((((427/552,555).CCLS.)		
		İ	((427/163.2).CCLS.) ((427/271).CCLS.)		
			(427/372.2,379). CCLS.) $(427/402)$ CCLS.)		
ĺ		ļ	((385/129,130,131).CCLS.)		
			((385/132).CCLS.)]
			((385/142,143,144,145).CCLS.))) and		i
- [((polymer\$2 or organic or resin\$3) near3		
			(oxide or inorganic) near6 (composite or		ļ
			mix\$4 or hybrid or solgel or (sol adi		
			gel))) and (waveguide or (wave adj guide)		
1		1	or lightguide) and (\$10acrylate and ((Ti		
		1	or titanium) near3 (alkoxide or methoxide		
1			or ethoxide or propoxide or isopropoxide		
1.			or butoxide or isobutoxide))))		
	31	3	(((((427/552,555).CCLS.)	USPAT;	2004/10/00 10 10
			((427/163.2).CCLS.) ((427/271).CCLS.)	US-PGPUB	2004/10/29 10:43
- [((427/372.2,379).CCLS.) ((427/402).CCLS.)	US-FGFUB	
			((385/129,130,131).CCLS.)		
			((385/132).CCLS.)	ļ	1
1			((385/142,143,144,145).CCLS.))) and		1
			(waveguide or (wave adj guide) or		1
		}	lightguide) and (\$10acrylate and ((Ti or		1
ĺ			titanium) near3 (alkoxide or methoxide or		j
			ethoxide or propoxide or isopropoxide or		
		}	butoxide or isobutoxide)))) not		
İ			(((((427/552,555).CCLS.)		
			((427/163.2).CCLS.) ((427/271).CCLS.)		, ,
			((427/372.2,379).CCLS.) ((427/402).CCLS.)		
1			((385/129,130,131).CCLS.)		
			((385/132).CCLS.)		
1			((385/142,143,144,145).CCLS.))) and		
			((polymer\$2 or organic or resin\$3) near3		
1			(oxide or inorganic) near6 (composite or		
1			mix\$4 or hybrid or solgel or (sol adj		1
			gel))) and (\$10acrylate and ((Ti or		
İ			titanium) near3 (alkoxide or methoxide or		
			ethoxide or propoxide or isopropoxide or		i i
			butoxide or isobutoxide))))		
3	2	3	((polymer\$2 or organic or resin\$3 or	HCDAM.	
	•		\$10acrylate or \$10methacrylate or	USPAT;	2004/10/29 10:45
İ			\$10acrylic) near3 (oxide or inorganic or	US-PGPUB	[
I			TiO2 or "TiO.sub.2" or titanium or		
			titania) near6 (composite or mix\$4 or]
			hybrid or solgel or (sol adj gel))) and		
			(waveguide or (wave adj guide) or		
ĺ			lightguide) and (\$10acrylate same ((Ti or	,	
			titanium) near3 (\$5alkoxide or \$5methoxide		
ļ		ĺ	or \$5ethoxide or \$5propoxide or		
Į			\$5isopropoxide or \$5butoxide or	_1	
L			\$5isobutoxide)))	,	1

33	3.		USPAT;	2004/10/29 10:47
		(oxide or inorganic) near6 (composite or	US-PGPUB	
		mix\$4 or hybrid or solgel or (sol adj gel))) and (waveguide or (wave adj guide)		ļ
		or lightguide) and (\$10acrylate and ((Ti		
		or titanium) near3 (alkoxide or methoxide	ĺ	1
		or ethoxide or propoxide or isopropoxide		
	İ	or butoxide or isobutoxide)))) not		
1		(((polymer\$2 or organic or resin\$3) near3		
		(Oxide or inorganic) near6 (composite or		
	ŀ	mix54 or hybrid or solgel or (sol add		1
	ļ	(gel))) and (waveguide or (wave add guide)		
		or lightguide) and (\$10acrylate same (/Ti		
1		101 titanium) near3 (alkoxide or methovido		
1		or ethoxide or propoxide or isopropoxide	1	
34	2	or butoxide or isobutoxide)))) ((waveguide or (wave adj guide) or		
		lightguide) and (\$10acrylate same ((Ti or	USPAT;	2004/10/29 10:51
,	•	titanium) near3 (alkoxide or methoxide or	US-PGPUB	
		ethoxide or propoxide or isopropoxide or		
		Dutoxide or isobutoxide)))) not		
1		(((polymer\$2 or organic or resin\$3) near3		İ
		(Oxide or inorganic) near6 (composite or		
		mlx\$4 or hybrid or solgel or (sol adi		
1		gel))) and (waveguide or (wave adi guide)		
	ĺ	or lightguide) and (\$10acrylate same ((Ti		
		or titanium) near3 (alkoxide or methoxide		
		or ethoxide or propoxide or isopropoxide or butoxide or isobutoxide))))		
35	0	((polymer\$2 or organic or resin\$3) near3		
		(oxide or inorganic) near6 (composite or	EPO; JPO;	2004/10/29 10:51
		mix\$4 or hybrid or solgel or (sol adj	DERWENT;	
		(gel))) and (waveguide or (wave add guide)	IBM_TDB	
		or lightguide) and (\$10acrylate and (/Ti		
	1	or titanium) near3 (alkoxide or methoxide		
		or ethoxide or propoxide or isopropoxide	}	
36	1	or butoxide or isobutoxide)))	İ	
30	1	(waveguide or (wave adj guide) or	EPO; JPO;	2004/10/29 10:52
		lightguide) and (\$10acrylate and ((Ti or	DERWENT;	1 20.02
	İ	titanium) near3 (alkoxide or methoxide or	IBM_TDB	
		ethoxide or propoxide or isopropoxide or butoxide or isobutoxide)))		
37	2	((polymer\$2 or organic or resin\$3) near3		
		(oxide or inorganic) near6 (composite or	EPO; JPO;	2004/10/29 10:52
i		[Mlx54 or hybrid or solge] or (sol add	DERWENT; IBM TDB	
		gel))) and (\$10acrylate and ((Ti or	TDM_TDB	
		citanium) near3 (alkoxide or methoxide or	ı	
		ethoxide or propoxide or isopropoxide or		
38	48	butoxide or isobutoxide)))		
	40	(((polymer\$2 or organic or resin\$3) near3	EPO; JPO;	2004/10/29 10:54
	1	(oxide or inorganic) near6 (composite or	DERWENT;	
,	1	mix\$4 or hybrid or solgel or (sol adj gel))) and (waveguide or (wave adj guide)	IBM_TDB	
		or lightguide)) not ((((polymer\$2 or		1
		organic or resin\$3) near3 (oxide or		"
		inorganic) near6 (composite or mix\$4 or		
	1	nybrid or solgel or (sol adi gell)) and		
	1	(\$10acrylate and ((Ti or titanium) near?		
		(alkoxide or methoxide or ethoxide or		
		propoxide or isopropoxide or butovide or		
		isobutoxide)))) or ((waveguide or (wave		
	1 1	ad] guide) or lightquide) and (\$10acrylato		
		and ((Ti or titanium) near3 (alkoxide or methoxide or othoxide		'
		methoxide or ethoxide or propoxide or isopropoxide or butoxide or		
	<u> </u>	isobutoxide)))))	İ	
	· · · · · · · · · · · · · · · · · · ·			

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[20				
39	4	(waveguide or (wave adj guide) or	USPAT;	2004/10/29 11:01
		lightguide) and (\$10acrylate or \$10acrylic) and ((Time or bit))	US-PGPUB;	
		\$10acrylic) and ((Ti or titanium) near5 (alkoxide or methoxide or ethoxide or	EPO; JPO;	
-		propoxide or isopropoxide or butoxide or	DERWENT;	
		isobutoxide)) and (((Si or silicon) near3	IBM_TDB	
		coupl\$3) or (\$10silyl\$7 near2 \$5acrylate))		İ
40	8823	((427/552,555).CCLS.) ((427/163.2).CCLS.)	USPAT;	2004/10/29 11:01
1		((427/271).CCLS.) ((427/372.2.379) CCLS.)	US-PGPUB	2001/10/25 11:01
		((427/402).CCLs.)		
		((385/129,130,131).CCLS.) ((385/132).CCLS.)		ĺ
1	1	((385/142,143,144,145).CCLS.)		
41	1	(((427/552,555).CCLS.) ((427/163.2).CCLS.)	USPAT;	2004/10/00 11
		((427/271).CCLS.) ((427/372.2,379).CCLS.)	US-PGPUB;	2004/10/29 11:03
		((427/402).CCLS.)	EPO; JPO;	1
İ		((385/129,130,131).CCLS.)	DERWENT;	1
		((385/132).CCLS.)	IBM TDB	
		((385/142,143,144,145).CCLS.)) and		
		(\$10acrylate or \$10acrylic) and ((Ti or titanium) near5 (alkoxide or methoxide or		
		ethoxide or propoxide or isopropoxide or	1	1
1		butoxide or isobutoxide)) and (((Si or		
		silicon) near3 coupl\$3) or (\$10silv1\$7		
42	0.0	near2 \$5acrylate))		
144	20	(\$10acrylate or \$10acrylic) same ((Ti or	USPAT;	2004/10/29 11:05
		titanium) near5 (alkoxide or methoxide or ethoxide or propoxide or isopropoxide or	US-PGPUB;	
		butoxide or isobutoxide)) same (((Si or	EPO; JPO;	
		silicon) near3 coupl\$3) or (\$10sily1\$7	DERWENT; IBM TDB	
1.0		near2 \$5acrylate))	TBM_TDB	1
43	31	(((polymer\$2 or organic or resin\$3) near3	USPAT;	2004/10/29 11:06
		(Oxide or inorganic) near6 (composite or	US-PGPUB;	2001, 10, 25 11:00
		mix\$4 or hybrid or solgel or (sol adj	EPO; JPO;	. 1
İ		gel))) and (waveguide or (wave adj guide) or lightguide) and ((etch\$4 or pattern\$4	DERWENT;	
		or channel\$3) with (lithograph\$7 or	IBM_TDB	
		photolithograph\$7 or UV or (ultraviolet)	-	
	1	or (ultra adj violet) or mask\$3 or		
	1	expos\$5))) and (((427/552,555),CCLS.)		
	1	((427/163.2).CCLS.) ((427/271).CCLS.)		
		((427/372.2,379).CCLS.) ((427/402).CCLS.) ((385/129,130,131).CCLS.)		
		((385/132).CCLS.)		
		((385/142,143,144,145).CCLS.))		1
44	24	(((polymer\$2 or organic or resin\$3) near3	USPAT;	2004/10/20 11 00
		(oxide or inorganic) near6 (composite or	US-PGPUB;	2004/10/29 11:08
		mix\$4 or hybrid or solgel or (sol adi	EPO; JPO;	1
		gel))) and (waveguide or (wave adj guide)	DERWENT;	
		or lightguide) and ((etch\$4 or pattern\$4 or channel\$3) with (lithograph\$7 or	IBM_TDB	
		photolithograph\$7 or UV or (ultraviolet)		
		or (ultra adj violet) or mask\$3 or		
		expos\$5))) and (((Ti or titanium) with		
		(alkoxide or \$4methoxide or \$4ethoxide or		
45		\$4propoxide or \$4butoxide)))		
4.5	3	(\$10acrylate or \$10acrylic) and ((Ti or	USPAT;	2004/10/29 11:10
		titanium) with (\$5alkoxide or \$5methoxide or \$5ethoxide or \$5propoxide or	US-PGPUB;	
		\$5isopropoxide or \$5butoxide or	EPO; JPO;	
		\$5isobutoxide)) and (((Si or silicon)	DERWENT;	
		near3 coupl\$3) or (\$10silvl\$7 near2	IBM_TDB	
	1 1	\$5acrylate)) and (waveguide or (wave adi	ĺ	
	1	guide) or lightquide) and ((etch\$4 or	ĺ	
		pattern\$4 or channel\$3) with (lithograph\$7		
	1	or photolithograph\$7 or UV or (ultraviolet) or (ultra adj violet) or	}	
	r	mask\$3 or expos\$5))		
	·			

TAC				
46	. 1	- I (() = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 =	USPAT;	2004/10/29 11:15
ł		titanium) with (\$5alkoxide or \$5methoxide	US-PGPUB;	
		or \$5ethoxide or \$5propoxide or	EPO; JPO;	
	j	\$5isopropoxide or \$5butoxide or	DERWENT;	
		\$5isobutoxide)) and (((Si or silicon)	IBM_TDB	
		near3 coupl\$3) or (\$10sily1\$7 near2	_	
		\$5acrylate)) and (waveguide or (wave adj		
		guide) or lightguide)) not ((\$10acrylate	·	
		or \$10acrylic) and ((Ti or titanium) with		
		(\$5alkoxide or \$5methoxide or \$5ethoxide		
		or \$5propoxide or \$5isopropoxide or \$5butoxide or \$5isobutoxide)) and (((Si or		
		silicon) near3 coupl\$3) or (\$10sily1\$7		İ
		near2 \$5acrylate)) and (waveguide or (wave		
		adj guide) or lightguide) and ((etch\$4 or		
		pattern\$4 or channel\$3) with (lithograph\$7		
		or photolithograph\$7 or UV or		
		(ultraviolet) or (ultra adj violet) or		
		mask\$3 or expos\$5)))		
47	0		USPAT;	2004/10/00 11 15
		(react\$4) with ((Ti or titanium) with	US-PGPUB;	2004/10/29 11:15
		(\$5alkoxide or \$5methoxide or \$5ethoxide	EPO; JPO;	
		or \$5propoxide or \$5isopropoxide or	DERWENT;	
1	1	\$5butoxide or \$5isobutoxide))) and	IBM TDB	
		((427/552,555),CCLS,) $(427/163,2)$ $CCLS,$	1 1011 1010	
1	}	((427/271).CCLS.) $((427/372.2.379).CCLS.)$		
		((42//402).CCLS.)		
	İ	((385/129,130,131).CCLS.)		1
1		((385/132).CCLS.)		
		((385/142,143,144,145).CCLS.))		
48	66	(\$10acrylate or \$10acrylic) with (react\$4)	USPAT;	2004/10/29 11:16
		With ((Ti or titanium) with (\$5alkoxide or	US-PGPUB;	2004/10/29 11:16
		\$5methoxide or \$5ethoxide or \$5propoxide	EPO; JPO;	
		or \$5isopropoxide or \$5butoxide or	DERWENT;	
1,0		\$5isobutoxide))	IBM TDB	
49	2		USPAT;	2004/10/29 11:17
		(react\$4) with ((Ti or titanium) with	US-PGPUB;	2004/10/29 11.1/
-		(\$5alkoxide or \$5methoxide or \$5ethoxide	EPO; JPO;	1
		or \$5propoxide or \$5isopropoxide or	DERWENT;]
	1	\$5butoxide or \$5isobutoxide))) and	IBM TDB	
		(waveguide or (wave adj guide) or	_]
50	20	lightguide)		
1 30	20	I (== : / == o) . Coro. and (waveduide O) [wave	USPAT;	2004/10/29 11:18
		adj guide) or (lightguide))	US-PGPUB;	17,23,23
			EPO; JPO;	1
		·	DERWENT;	1
51	3	/state and de-	IBM_TDB	
]	(waveguide or (wave adj guide) or	USPAT;	2004/10/29 11:19
		(lightguide)) and ((ratio or proportion or	US-PGPUB;	
1		amount) with ((Ti or titanium) with	EPO; JPO;]
1]	(\$5alkoxide or \$5methoxide or \$5ethoxide	DERWENT;	
1	1	or \$5propoxide or \$5butoxide)) with (index near2 refract\$5))	IBM_TDB	
52	13	(waveguide or (wave adj guide) or		
<u> </u>	13	(lightguide)) and (((Ti or titanium) with	USPAT;	2004/10/29 11:20
[(\$5alkoxide or \$5methoxide or \$5ethoxide	US-PGPUB;	
		or \$5propoxide or \$5butoxide)) same	EPO; JPO;	
		(\$10acrylate or \$10acrylic or MMA or	DERWENT;	
ĺ		PMMA))	IBM_TDB	}
53	2874	(430/322,323,324).CCLS.		
		, отт једоједај . ССВо.	USPAT;	2004/10/29 11:20
54	914	(216/24,39).CCLS.	US-PGPUB	
•]	/ /	USPAT;	2004/10/29 11:20
55	3753	((430/322,323,324).CCLS.)	US-PGPUB	000011001
		((216/24,39).CCLS.)	USPAT;	2004/10/29 11:20
56	2	(((430/322,323,324).CCLS.)	US-PGPUB	0004/10/5
	[((216/24,39).CCLS.)) and (waveguide or	USPAT;	2004/10/29 11:21
		lightguide or (wave adj guide)) and	US-PGPUB	1
·		(\$10acrylate same ((Ti or titanium) near3		
		(alkoxide or \$5methoxide or \$5ethoxide or	ļ	
	[\$5propoxide or \$5isopropoxide or		
		\$5butoxide or \$5isobutoxide)))		
Search Wie		/20/04 11 22 12 22 22 22 22 22 22 22 22 22 22		

57	3	(///30/222 222 204) 0010		
	J	1 (((.00/022/020/024).0000.)	USPAT;	2004/10/29 11:22
}		((216/24,39).CCLS.)) and ((\$10acrylate or	US-PGPUB	_
		\$10methacrylate) same ((Ti or titanium)		
		near3 (alkoxide or \$5methoxide or	}	
		\$5ethoxide or \$5propoxide or		
		\$5isopropoxide or \$5butoxide or		
50		\$5isobutoxide)))		
59	4	(((100 / 522 / 525 / 524) . CCLS.)	USPAT;	2004/10/29 11:25
		((216/24,39).CCLS.)) and (waveguide or	US-PGPUB;	2004/10/29 11:25
		lightguide or (wave adj guide)) and	EPO; JPO;	
		((polymer\$2 or organic or resin\$3 or PMMA	DERWENT;	
		or MMA or \$10acrylate or \$10methacrylate	IBM TDB	
		or \$10acrylic) near2 (oxide or inorganic	1211-100	1
l		or TiO2 or titanium or titania or		
		"TiO.sub.2") near6 (composite or hybrid))		
60	4	((((430/322,323,324).CCLS.)	HODAM	
		((216/24,39).CCLS.)) and (waveguide or	USPAT;	2004/10/29 11:25
1		lightguide or (wave adj guide)) and	US-PGPUB;	
	i	((polymer\$2 or organic or resin\$3 or PMMA	EPO; JPO;	
		or MMA or \$10acrylate or \$10methacrylate	DERWENT;	
·		or \$10acrylic) near2 (oxide or inorganic	IBM_TDB	
		or TiO2 or titanium or titania or		ĺ
		"TiO sub 2") ream (/		
		"TiO.sub.2") near6 (composite or hybrid)))]
		not ((((430/322,323,324).CCLS.)		
	I	((216/24,39).CCLS.)) and ((\$10acrylate or		
		\$10methacrylate) same ((Ti or titanium)		
ļ	ĺ	near3 (alkoxide or \$5methoxide or		
-		\$5ethoxide or \$5propoxide or		
1	ļ	\$5isopropoxide or \$5butoxide or]
		\$5isobutoxide))))		1